

### ABSTRACT OF THE DISCLOSURE

Methods and systems are provided for providing network services using at least one processor, such as a network operations center that interfaces a base network. The network operations center may receive information identifying a user authorized to administer a first processor, which may be separate from the network operations center, and a base address that is routable in the base network. The network operations center may provide through the base network code and information for self-configuring the first processor as a gateway that interfaces the base network at the base address. The first processor may execute the provided code to self-configure itself as the gateway based on the provided information. The network operations center may then provide through the base network to the first processor additional information enabling at least one tunnel through the base network to a second processor, which may also be separate from the network operations center, when the first and second processors each provide to the network operations center a consent for enabling the tunnel.

LAW OFFICES  
FINNEGAN, HENDERSON,  
FARABOW, GARRETT,  
& DUNNER, L.L.P.  
1300 I STREET, N.W.  
WASHINGTON, DC 20005  
202-408-4000